

IN THE SPECIFICATION

Please replace the Abstract paragraph on page 18 with the following:

ABSTRACT OF THE DISCLOSURE

A ~~base transceiver station~~ includes a demodulator that determines a time of arrival of an access signal. Access signals that do not ~~obtain~~ result in a time of arrival are discarded. Upon obtaining a time of arrival, the access signal is equalized and ~~processed by an equalizer that corrects multi path fading in the received access signal.~~ Upon ~~equalization,~~ a training sequence of bits in the equalized access signal is compared to a reference sequence of bits. A burst confidence metric is obtained in the comparison by summing the number of matching bits. ~~The burst confidence metric is compared to a threshold number.~~ The access signal is discarded if the burst confidence metric is less ~~than the~~ than a threshold number. A decoder performs a parity check on access signals that have a burst confidence metric ~~that exceeds~~ exceeding the threshold number. The access signal is discarded if the parity check fails. Upon passing the parity check, the access signal is re-encoded and compared to its received version. If a number of ~~bit~~ errors from the comparison exceeds a bit error threshold, the access signal is discarded. ~~Otherwise, resources are allocated associated with the access signals~~